

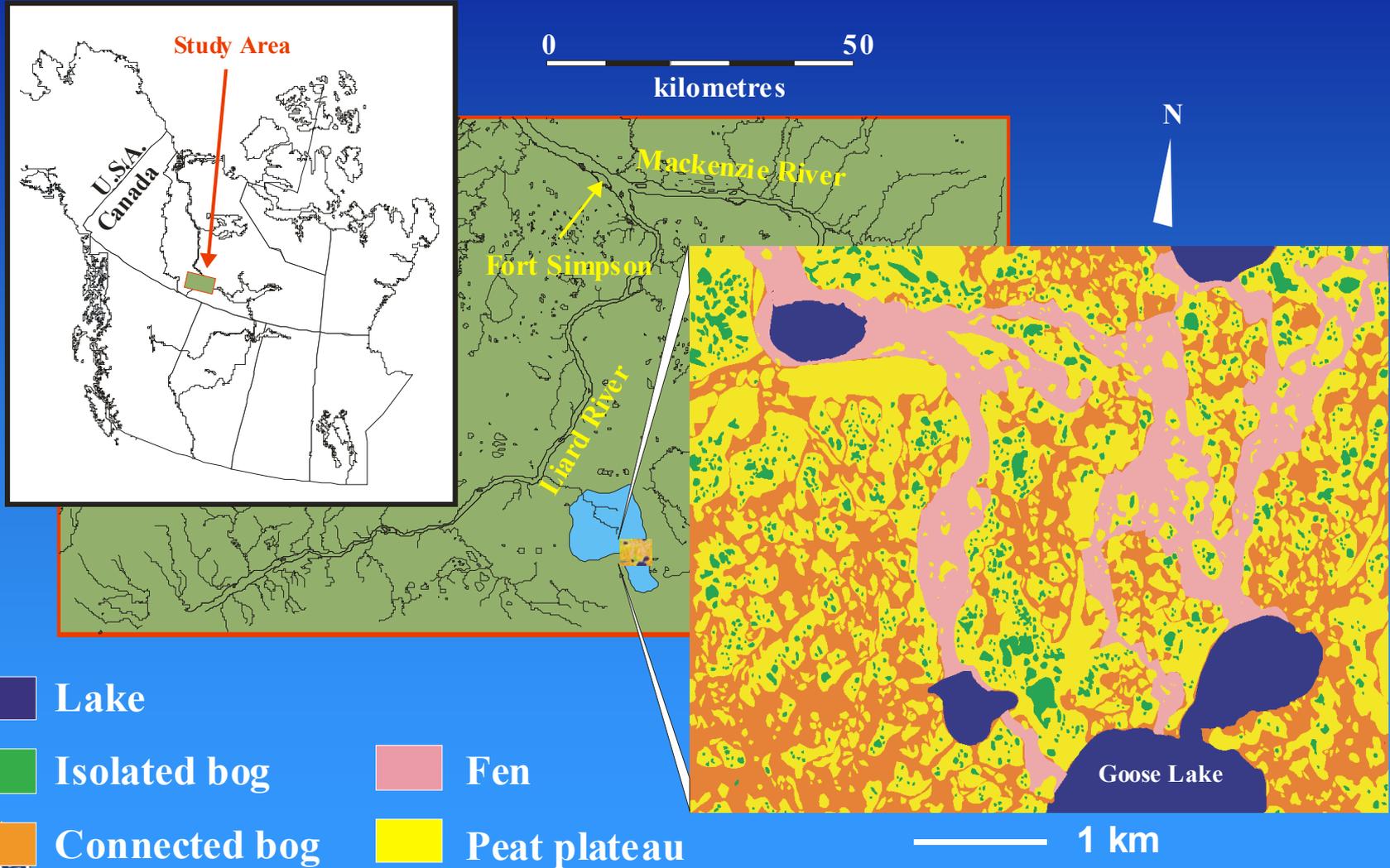


Processes and Parameterisation: Wetlands, lakes, and permafrost

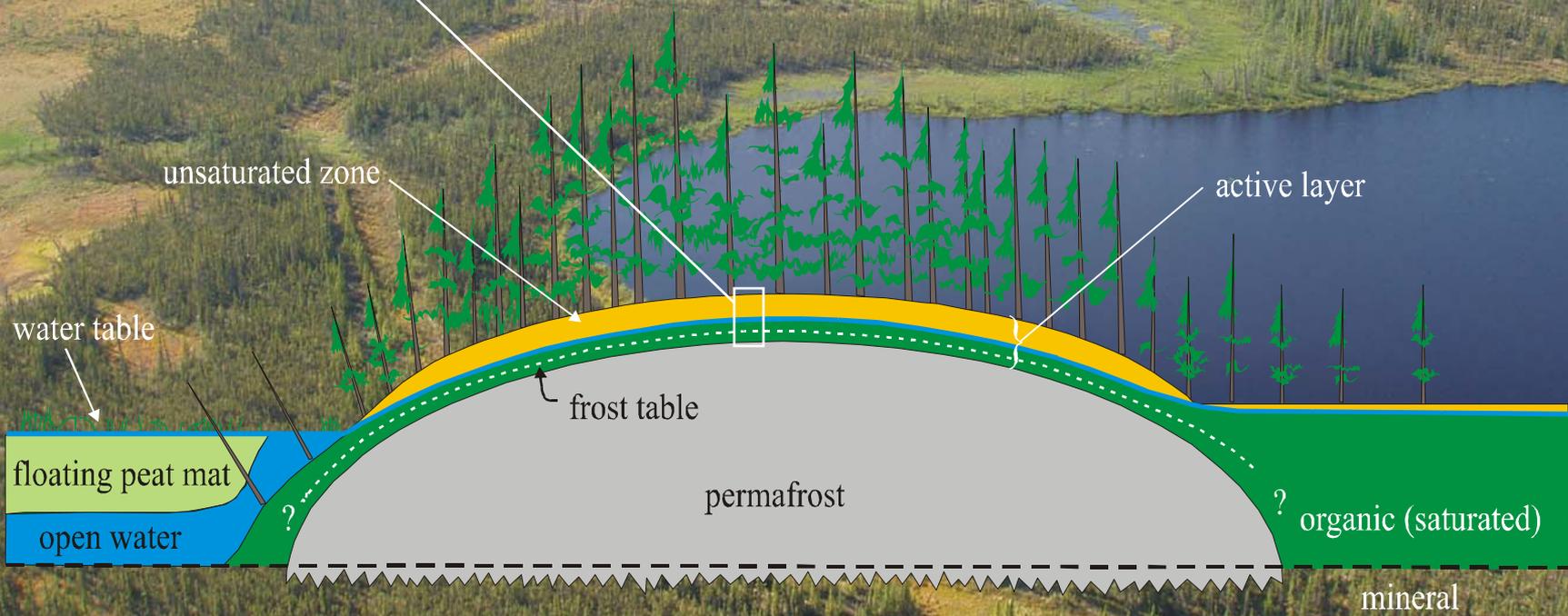
IP3 Users/Stakeholders Community Workshop, 18-19 March 2008, Canmore, Alberta



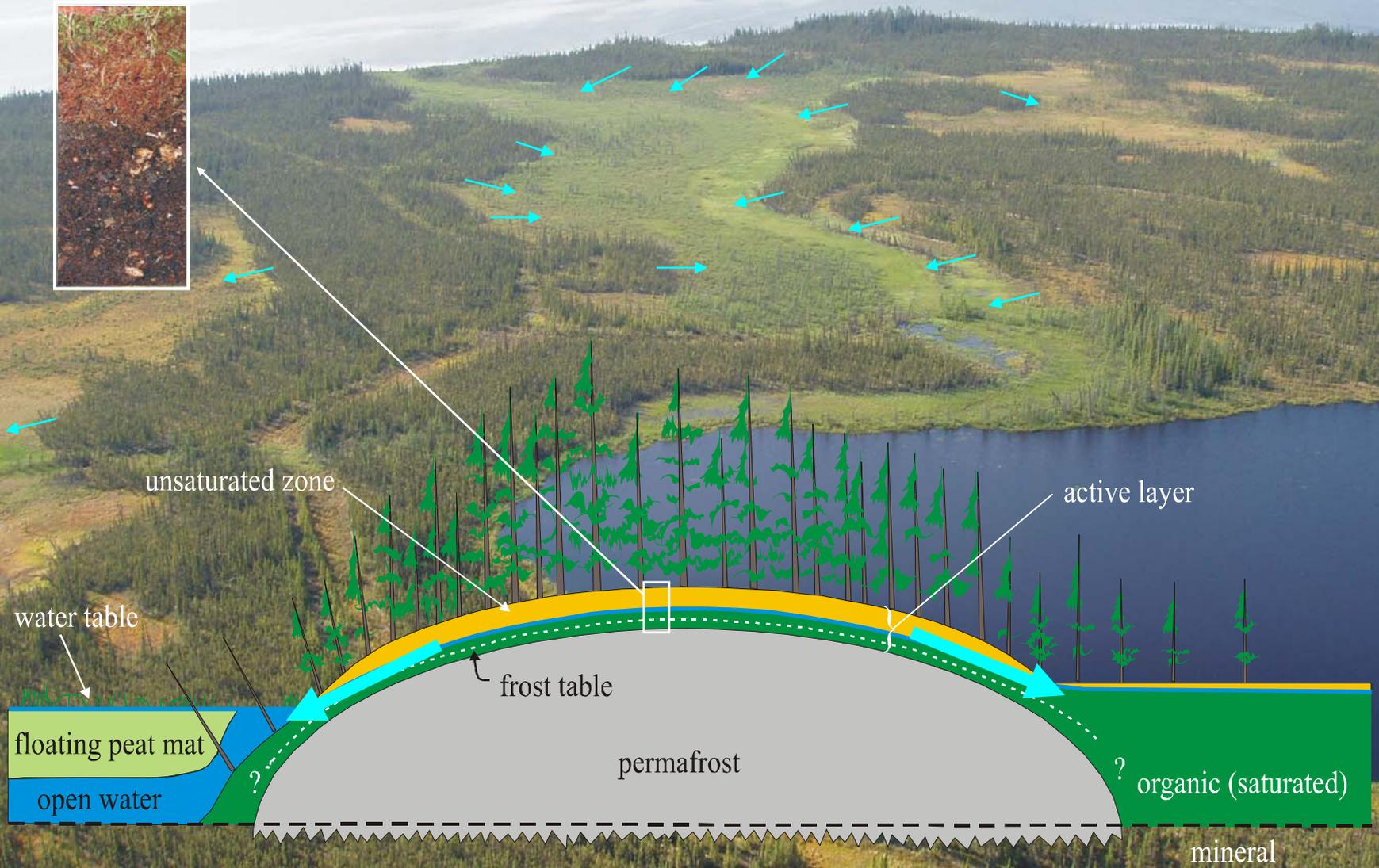
Scotty Creek, NWT, Canada:



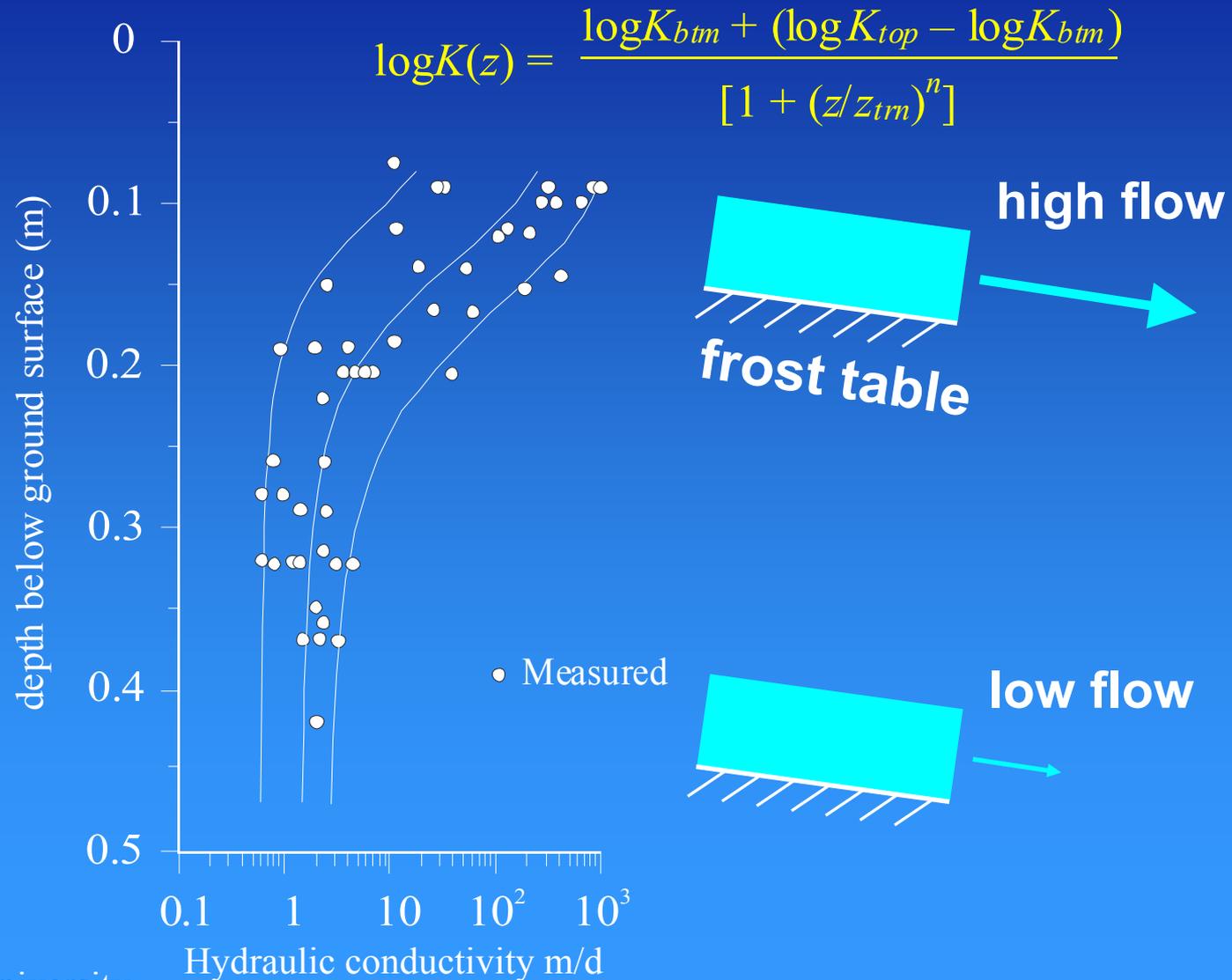
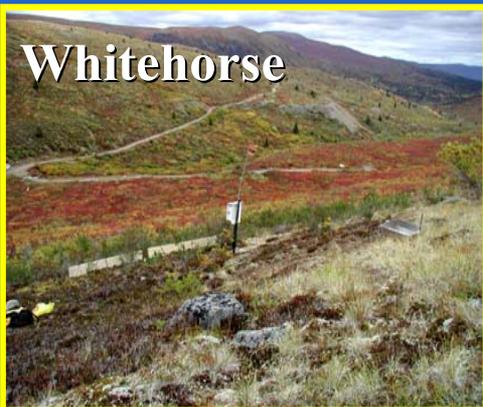
Hillslope Runoff:



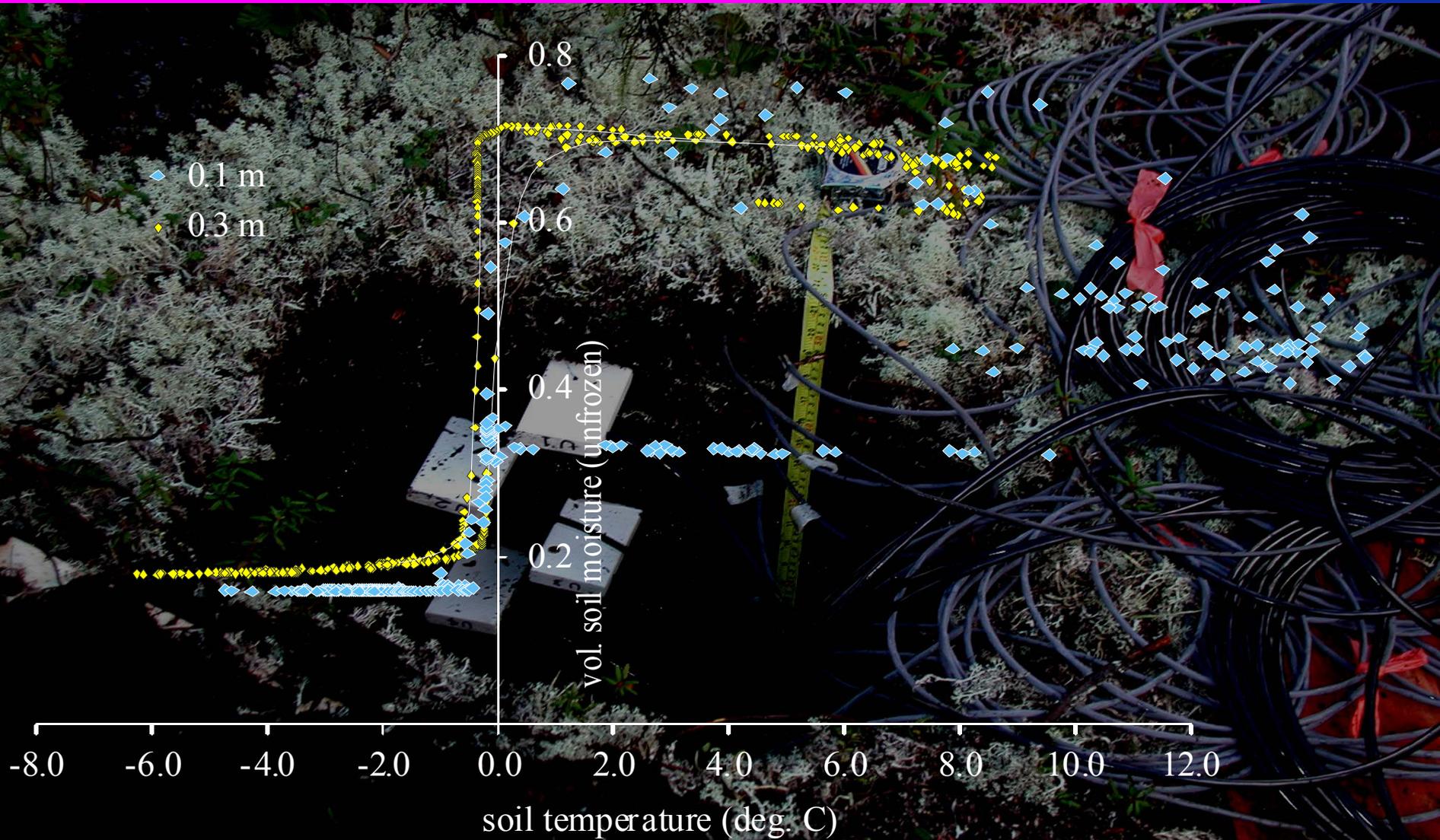
Hillslope Runoff:



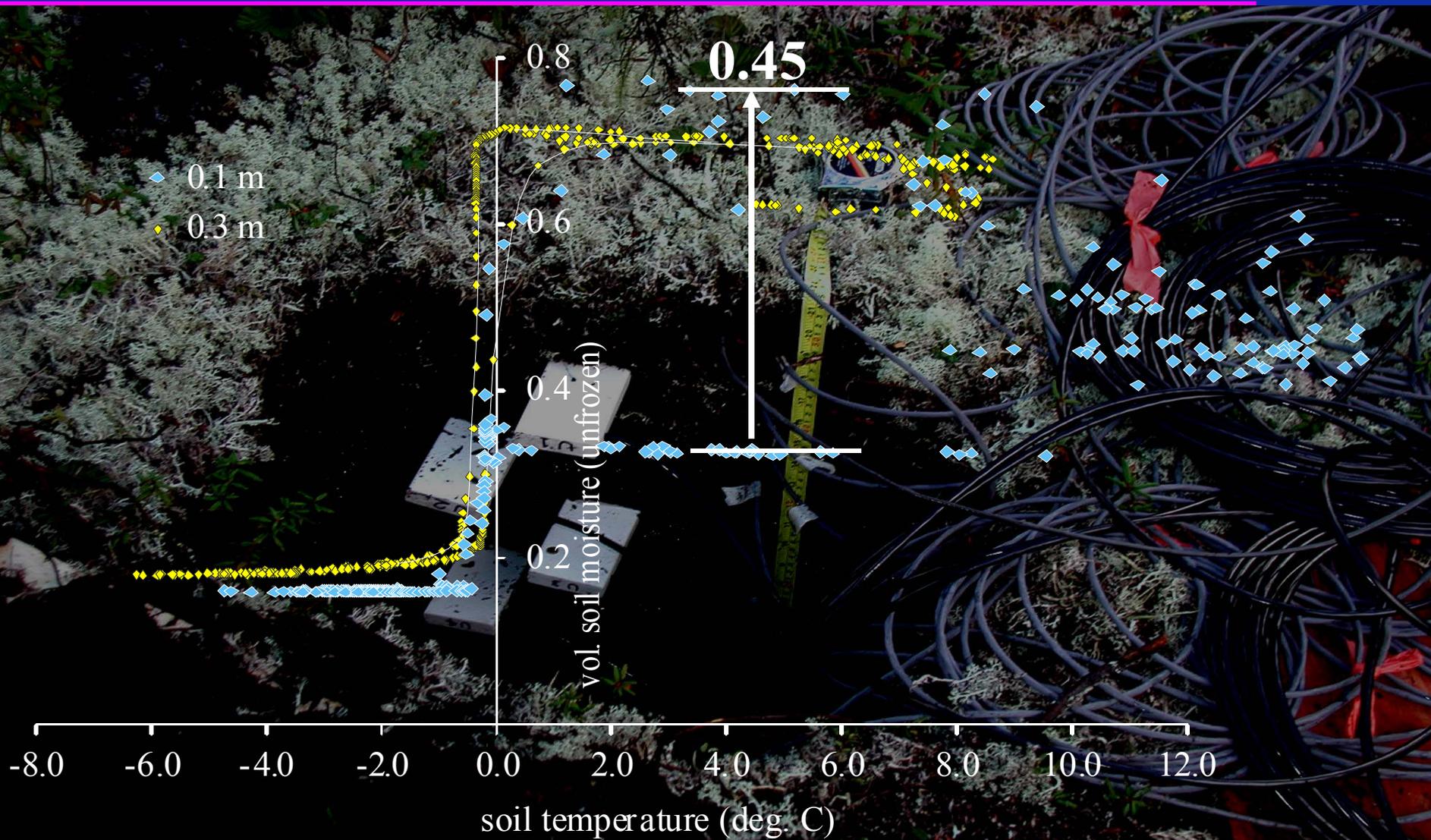
Subsurface drainage:



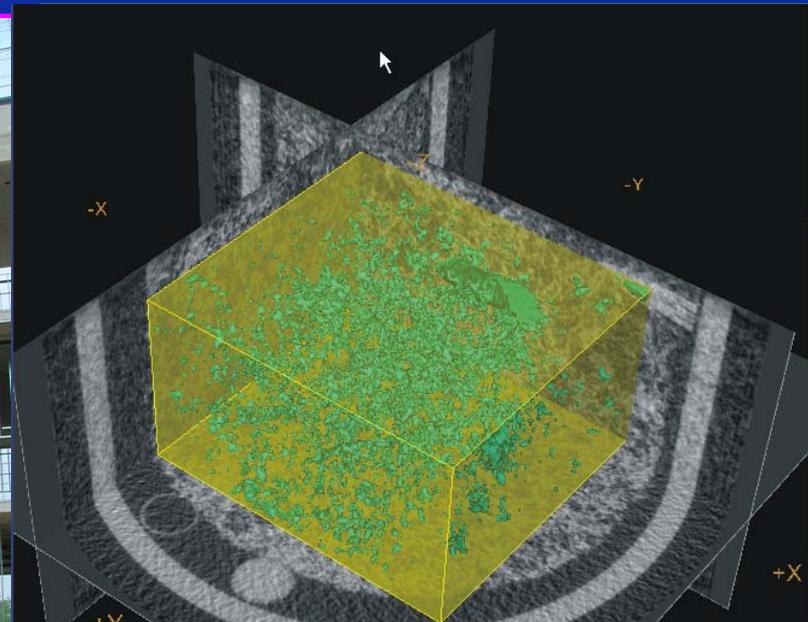
Over-winter water flows:



Over-winter water flows:



Lab studies: internal moisture cycling



Environmental
Innovation

Biotron plants seeds for the future



bandsaw
blade

clean
undisturbed
break on
bottom



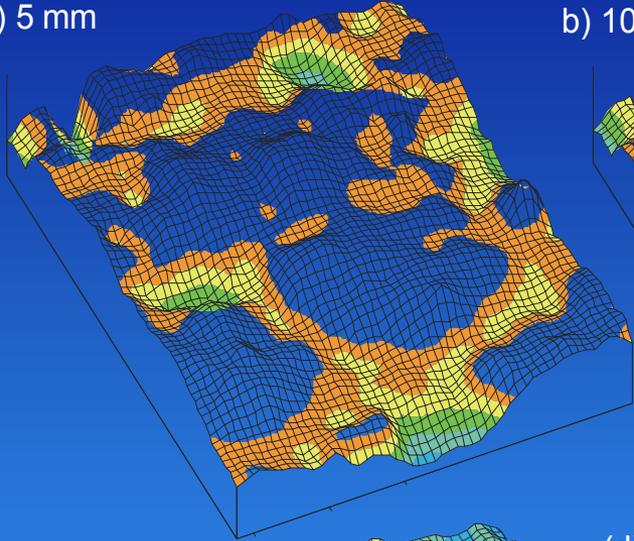
Lichen,
Labrador Tea



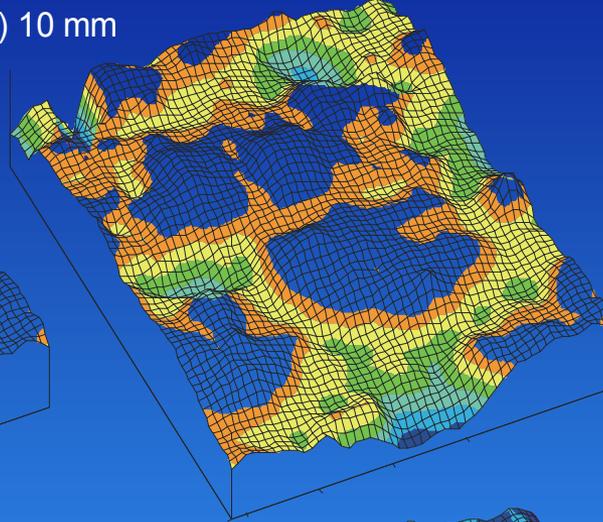
Moss,
Labrador Tea

FT topography - runoff

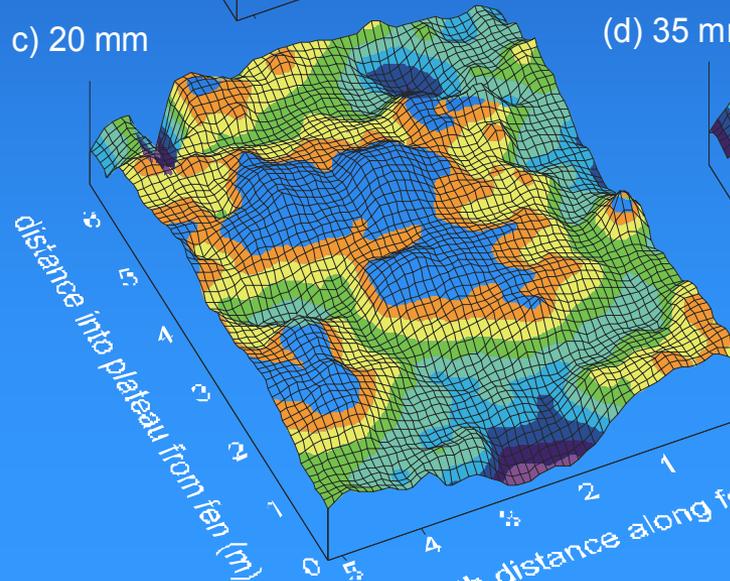
a) 5 mm



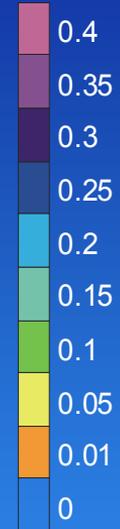
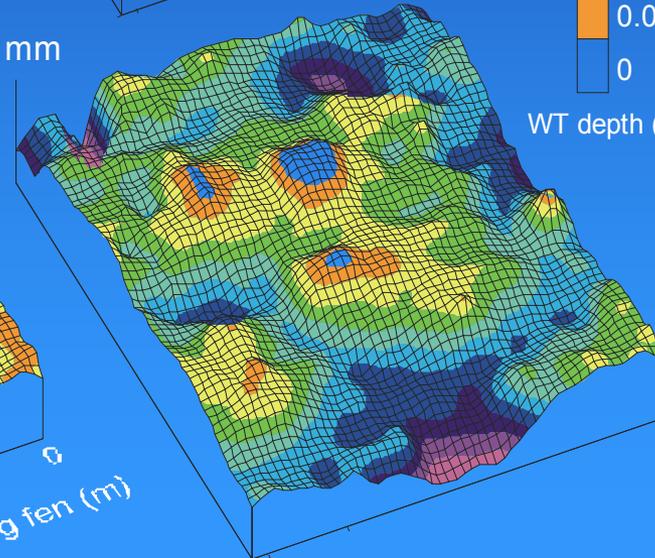
b) 10 mm



c) 20 mm



(d) 35 mm

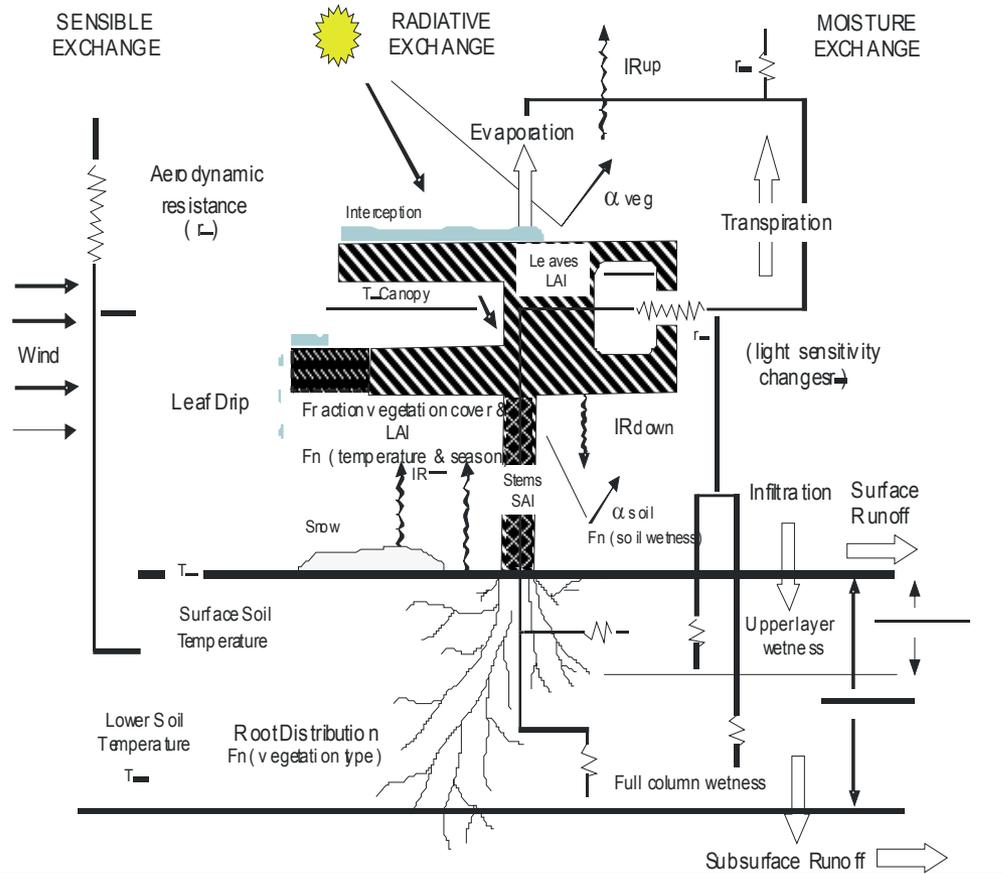


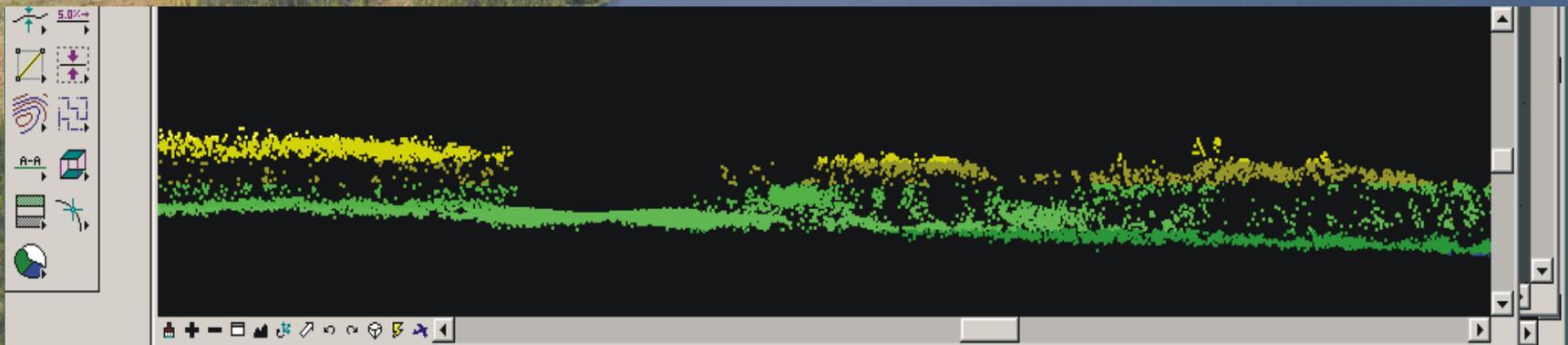
WT depth (m)



CLASS

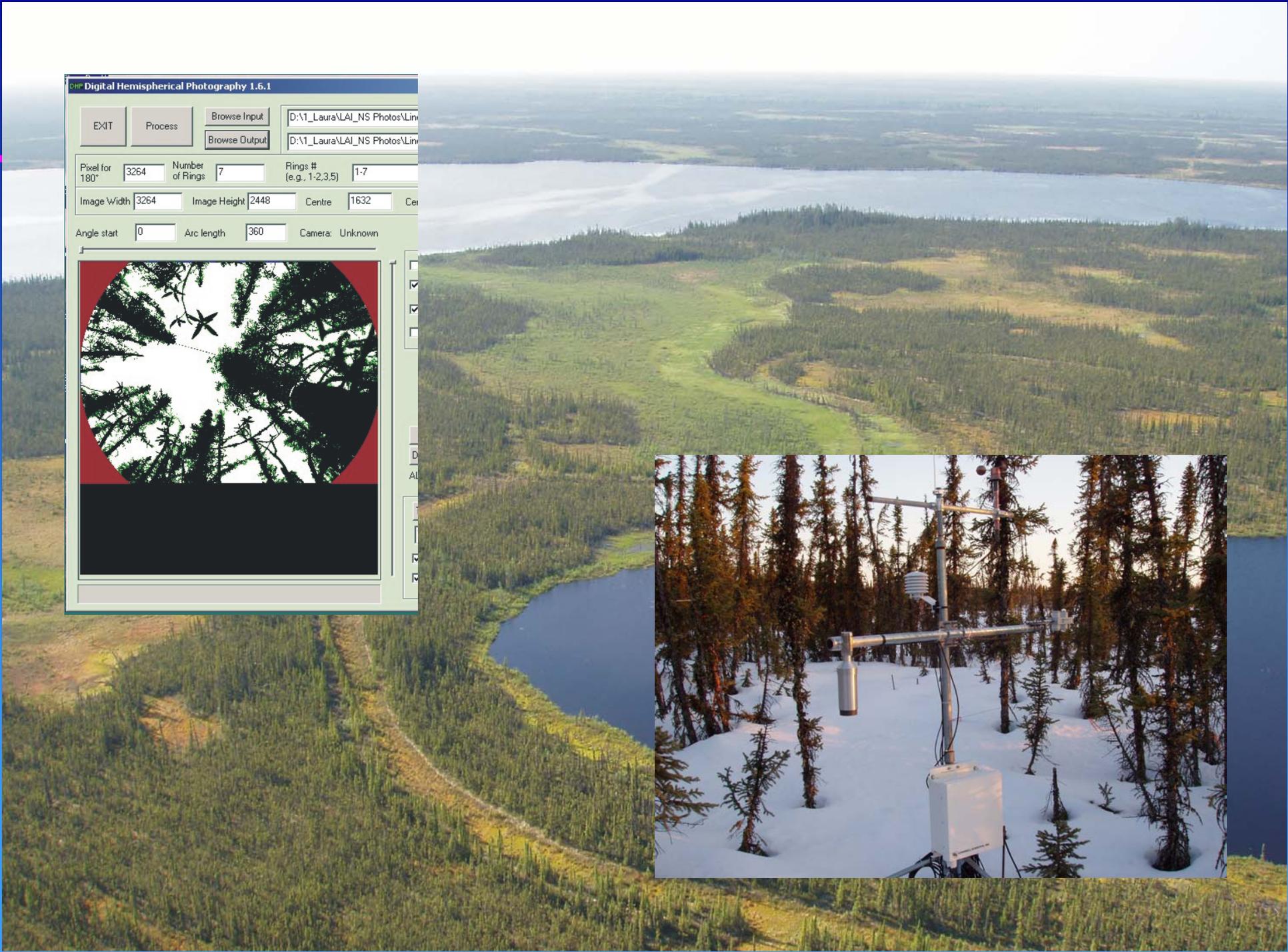
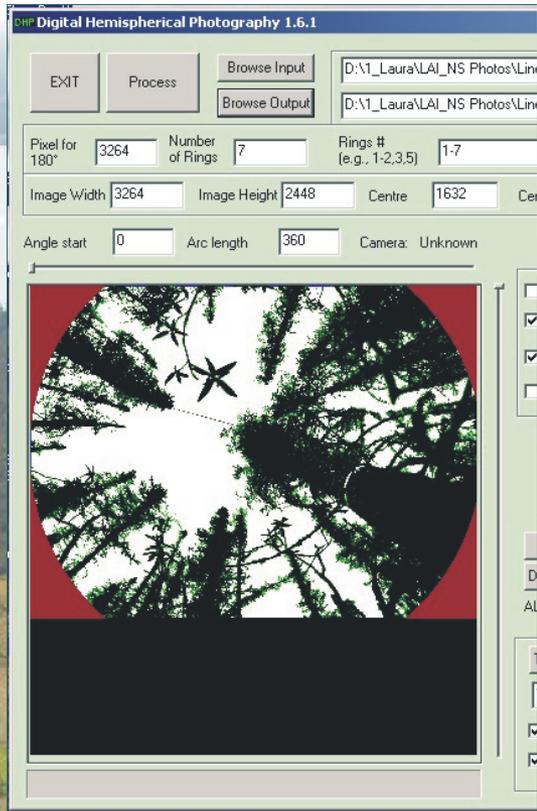
Second Generation Land Surface Scheme



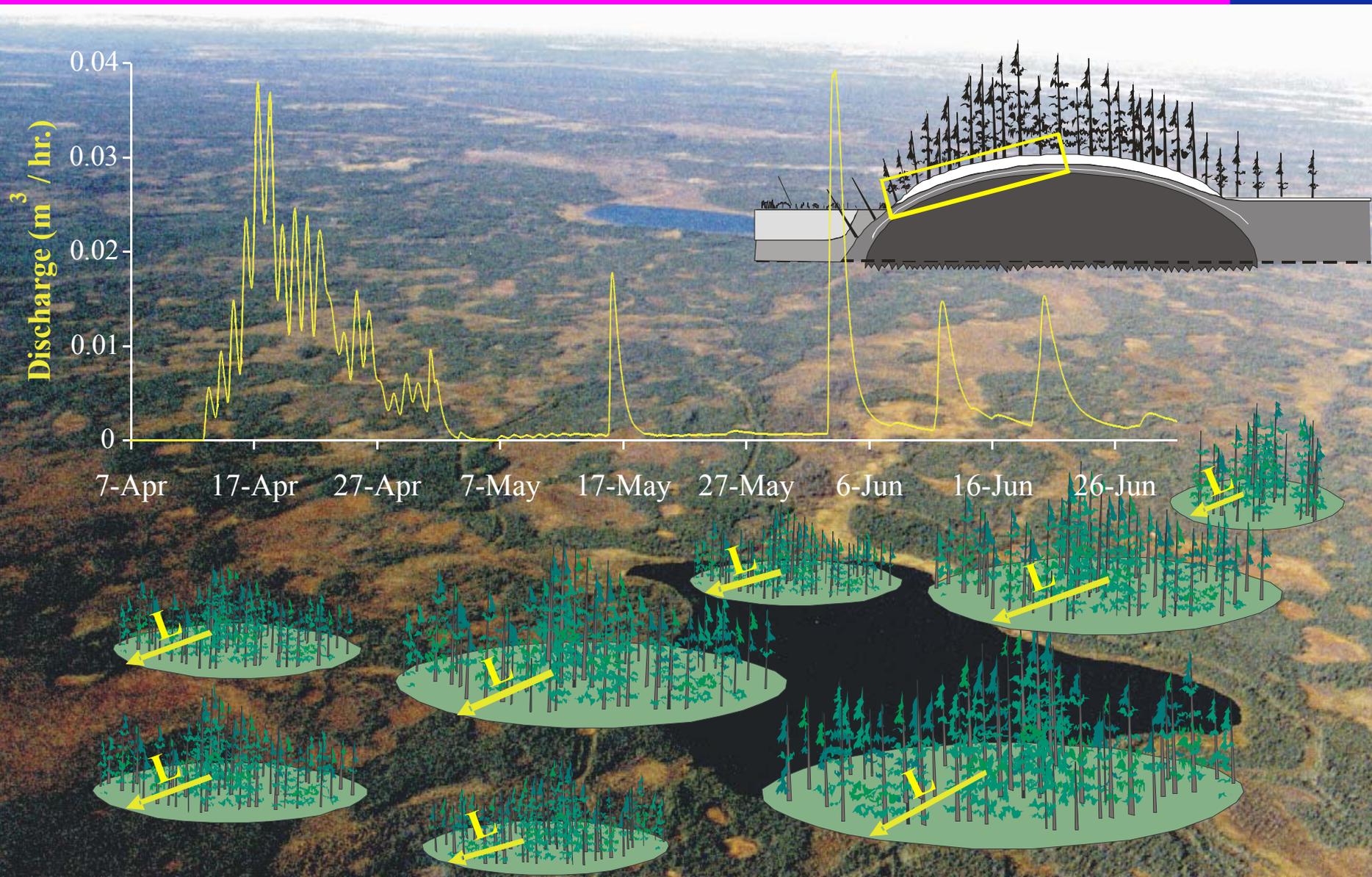


Default 1 2 3 4 5 6 7 8 X: 595084.0220 Y: 6809705.5030 Z: 186.9530

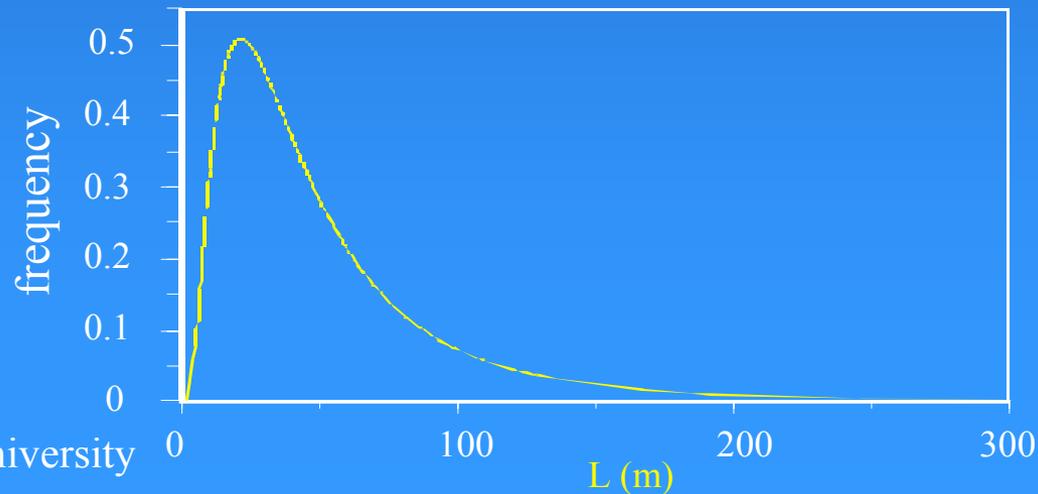
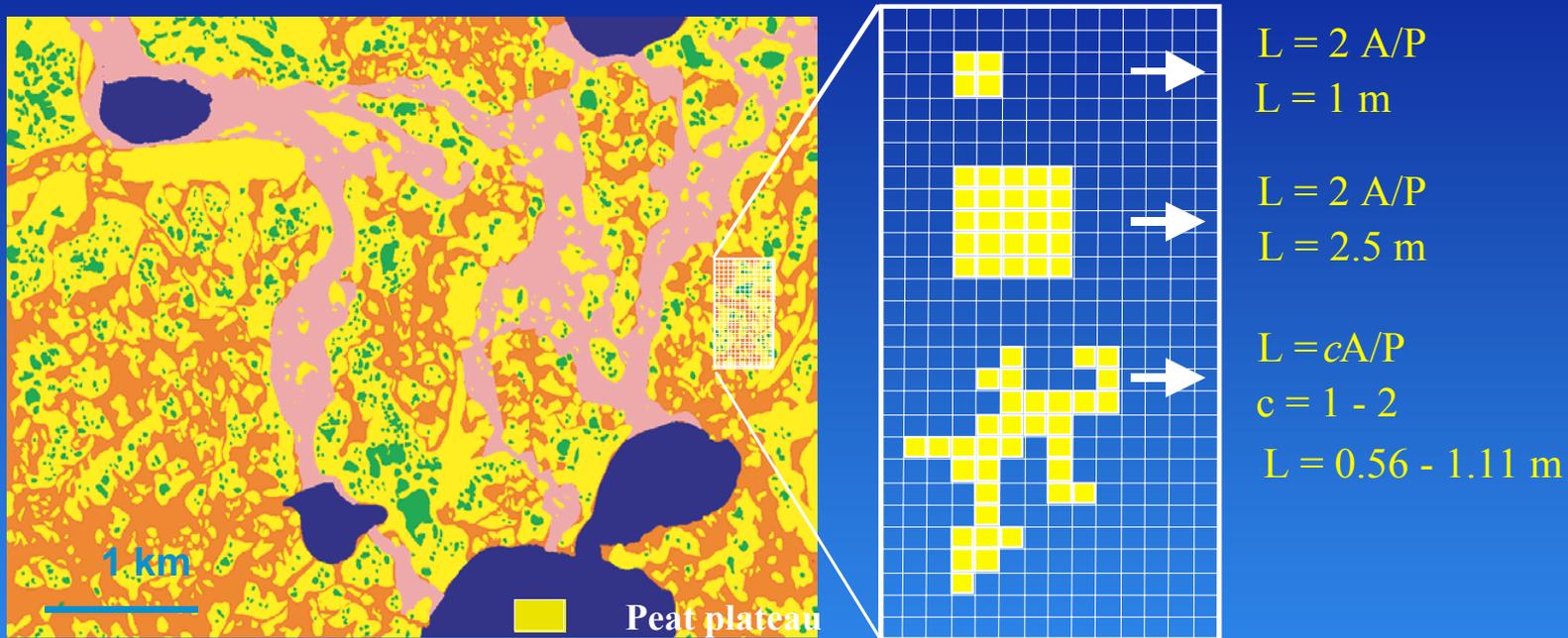
Draw Section > Enter left point Size 327 MB Default : 1



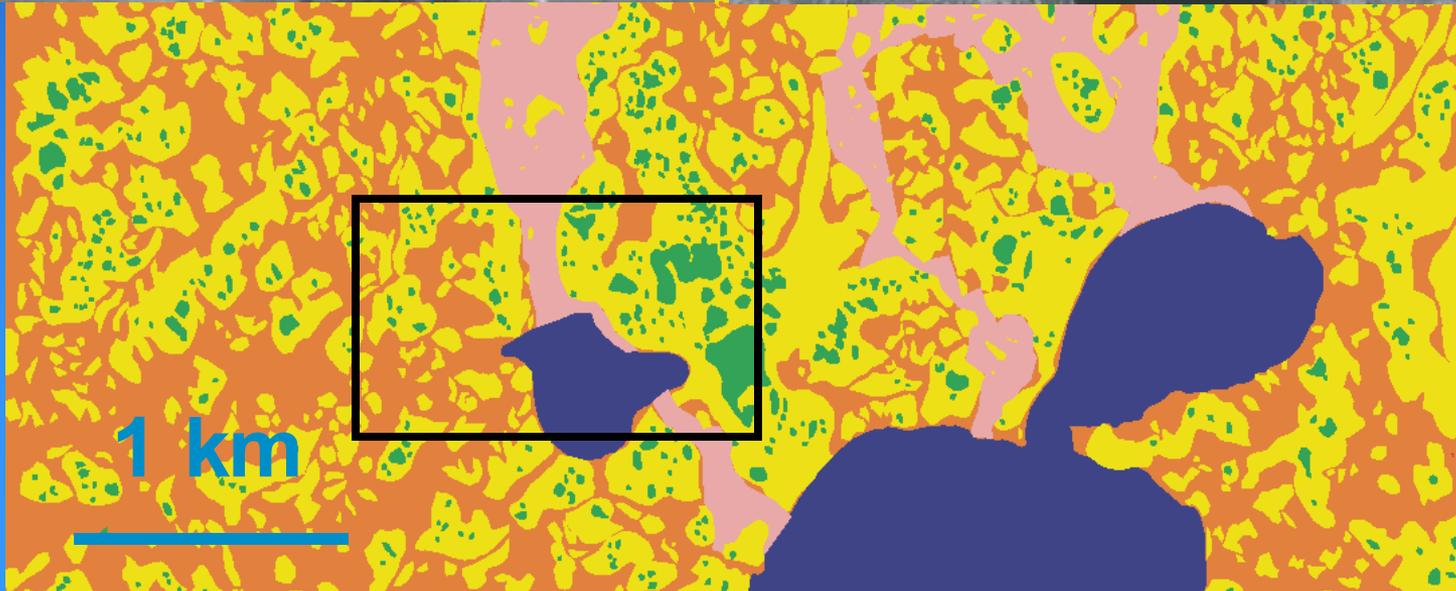
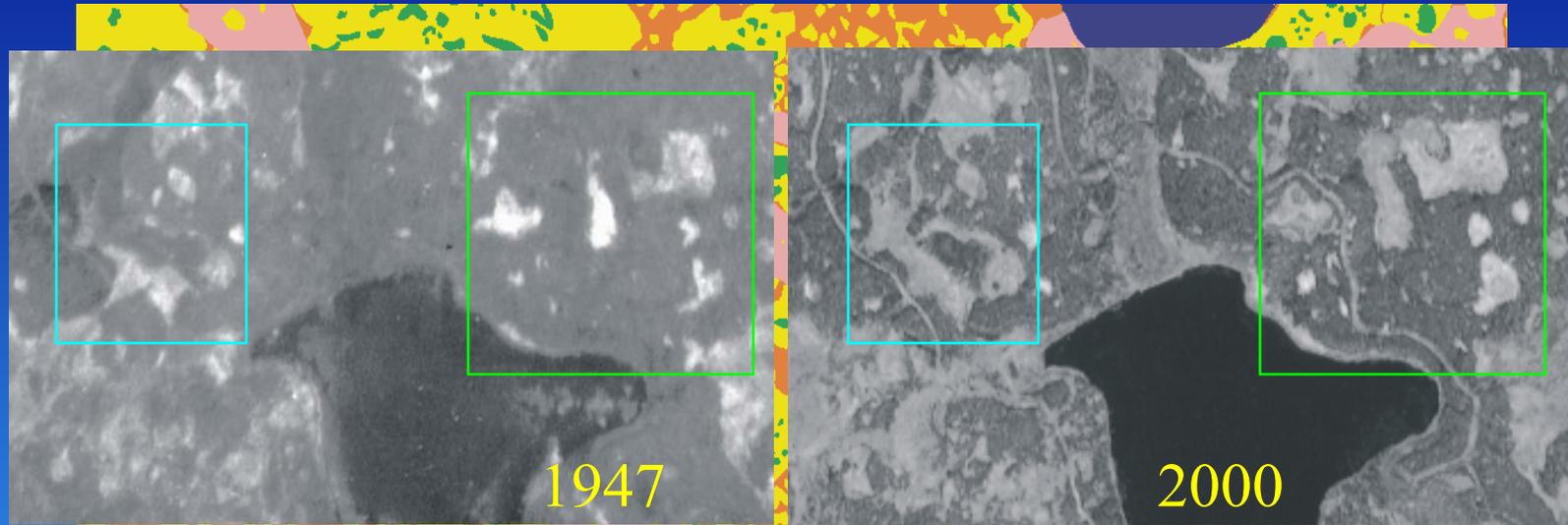
Hydraulic lengths (L) for composite hydrograph:



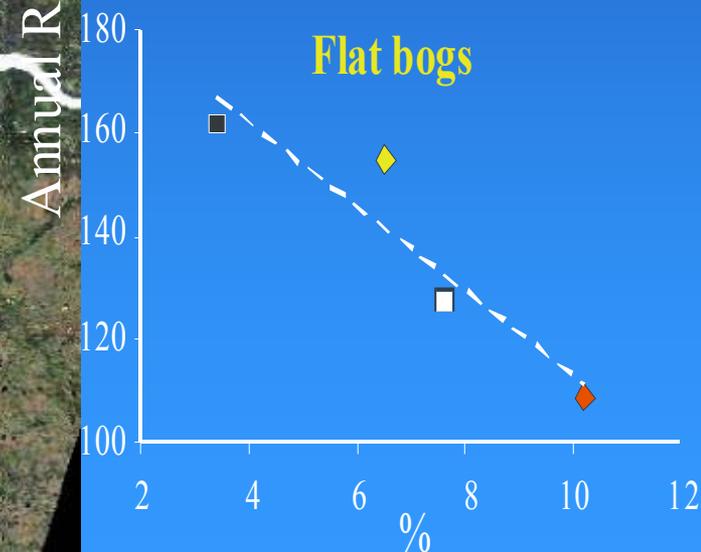
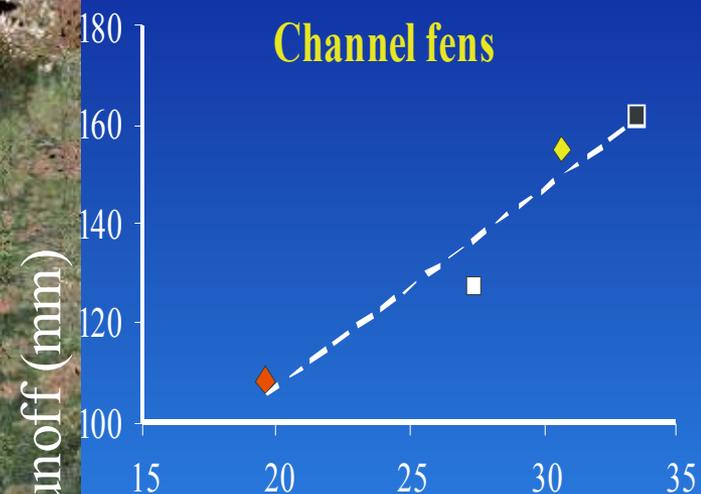
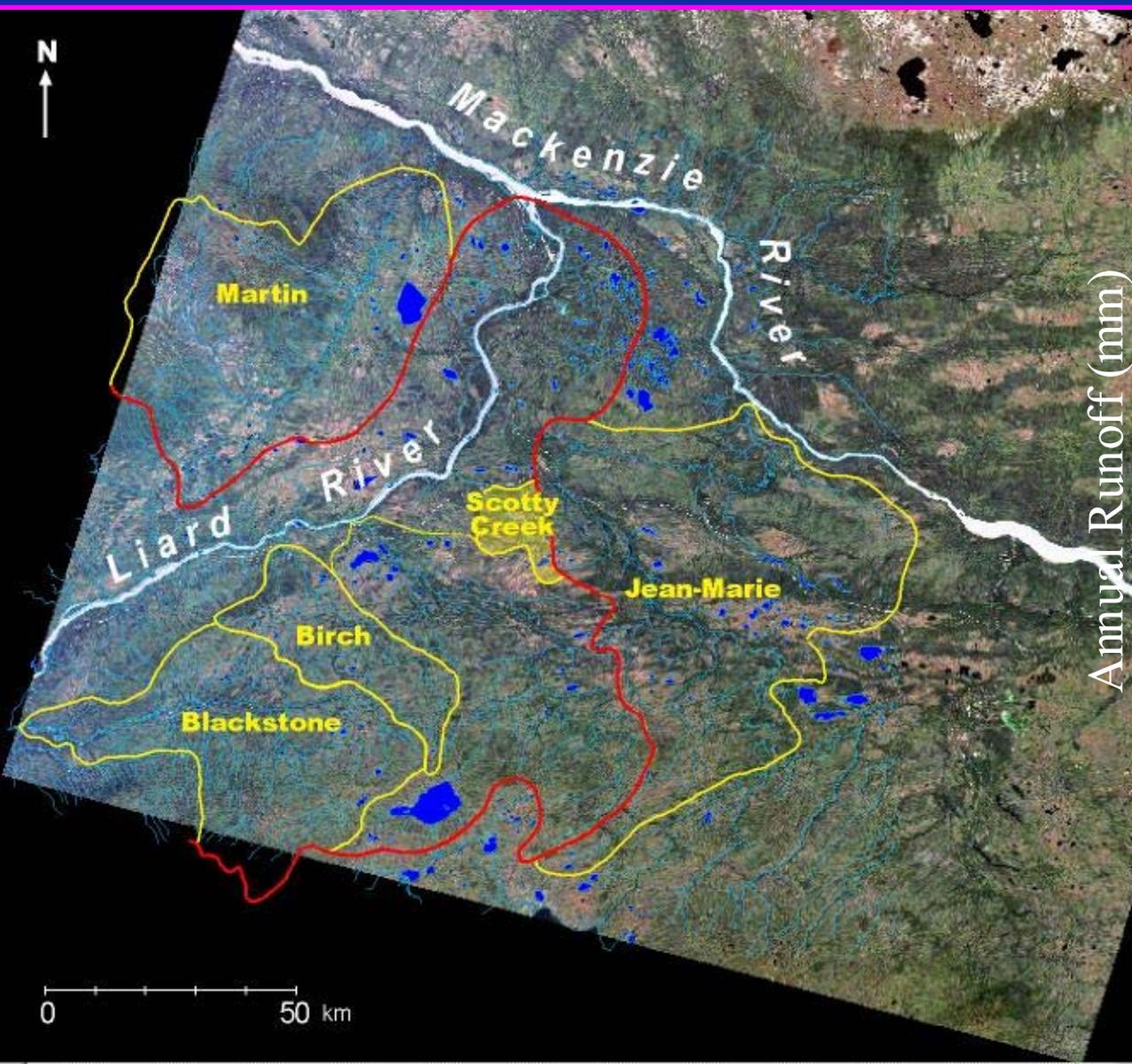
Spatial analysis of peat plateaus:



Loss of permafrost:



Implications for basin runoff:



◆ Scotty ◆ Birch ■ Blackstone ■ Jean-Marie